



DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. KLA1P117X1A/P1151/2

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPARATUS AND METHODS FOR DETECTING OVERLAY ERRORS USING SCATTEROMETRY the specification of which,

(check one) 1. is attached hereto.

2. was filed on February 23, 2004 as
U.S. Application No. 10/785,396
and was amended on _____.

3. was filed on _____ as
International PCT Application No. _____
and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CFR § 1.56.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

			Priority Benefits Claimed?
(Application No.)	(Country)	(Filing Date)	Yes <input type="checkbox"/> No <input type="checkbox"/>
_____	_____	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>
_____	_____	_____	Yes <input type="checkbox"/> No <input type="checkbox"/>

Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

60/504,093 (Application No.)	September 19, 2003 (Filing Date)
60/449,496 (Application No.)	February 22, 2003 (Filing Date)
60/498,524 (Application No.)	August 27, 2003 (Filing Date)

Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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Power of Attorney

And I hereby appoint the law firm of **Beyer Weaver & Thomas, LLP** and all practitioners who are associated with the Customer Number 022434 as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct Correspondence To:**Customer Number: 022434****Direct Telephone Calls To:****Mary Ramos Olynick at telephone number (510) 843-6200**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of**Sole or First Inventor:** Walter D. Mieher**Citizenship:** United States**Inventor's signature:** Walter D. Mieher**Date of Signature:** 6/11/04**Residence:** (City) Los Gatos**(State/Country)** CA/USA**Post Office Address:** 14135 Old Japanese Road, Los Gatos, CA 95033**Second Inventor:** : Ady Levy**Citizenship:** Israel**Inventor's signature:** Ady Levy**Date of Signature:** 6/14/04**Residence:** (City) Sunnyvale**(State/Country)** CA/USA**Post Office Address:** 1621 Samedra Street, Sunnyvale, CA 94087

Third Inventor: Boris Golovanesky Citizenship: Israel
Inventor's signature: _____ Date of Signature: _____
Residence: (City) Haifa (State/Country) Israel
Post Office Address: 74/21 Haviva Raich Street, Haifa, Israel

Fourth Inventor: Michael Friedmann Citizenship: Israel
Inventor's signature: MF Date of Signature: 06/11/04
Residence: (City) Mountain View (State/Country) CA/USA
Post Office Address: 801 Church Street, Mountain View, CA 94041

Fifth Inventor: Ian Smith Citizenship: United Kingdom
Inventor's signature: IS Date of Signature: 6/14/04
Residence: (City) Los Gatos (State/Country) CA/USA
Post Office Address: 17031 Los Cerritos, Los Gatos, CA 95030

Sixth Inventor: Michael E. Adel Citizenship: Israel
Inventor's signature: _____ Date of Signature: _____
Residence: (City) Zichron Ya'akov (State/Country) Israel
Post Office Address: 14 Yigal Alon Street, Zichron Ya'akov, 30900 Israel

Seventh Inventor: Anatoly Fabrikant Citizenship: United States
Inventor's signature: AF Date of Signature: 06/11/2004
Residence: (City) Fremont (State/Country) CA/USA
Post Office Address: 2245 Olive Avenue, Fremont, CA 94539

Eighth Inventor: Christopher F. Bevis Citizenship: United States
Inventor's signature: CFB Date of Signature: 10 June 2004
Residence: (City) Los Gatos (State/Country) CA/USA
Post Office Address: 81 College Avenue, Los Gatos, California 95030

Ninth Inventor: Mark Ghinovker Citizenship: Israel
Inventor's signature: _____ Date of Signature: _____
Residence: (City) Migdal Ha'Emek State/Country) Israel
Post Office Address: Sholom Aleichem, 812/22, Migdal Ha'Emek, 23019 Israel



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Typewritten Full Name of

Sole or First Inventor: Walter D. Mieher

Citizenship: United States

Inventor's signature: _____

Date of Signature: _____

Residence: (City) Los Gatos

(State/Country) CA/USA

Post Office Address: 14135 Old Japanese Road, Los Gatos, CA 95033

Second Inventor: : Ady Levy

Citizenship: Israel

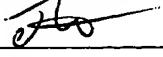
Inventor's signature: _____

Date of Signature: _____

Residence: (City) Sunnyvale

(State/Country) CA/USA

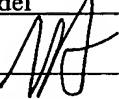
Post Office Address: 1621 Samedra Street, Sunnyvale, CA 94087

Third Inventor: Boris Golovanesky Citizenship: Israel
Inventor's signature: 
Date of Signature: July 12th 2004

Residence: (City) Haifa (State/Country) Israel
Post Office Address: 74/21 Haviva Raich Street, Haifa, Israel

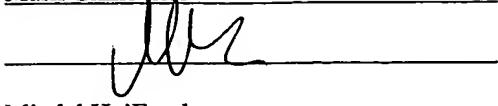
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Post Office Address: 81 College Avenue, Los Gatos, California 95030

Ninth Inventor: Mark Ghinovker Citizenship: Israel
Inventor's signature:  Date of Signature: July 17, 2004
Residence: (City) Migdal Ha'Emek State/Country) Israel
Post Office Address: Sholom Aleichem, 812/22, Migdal Ha'Emek, 23019 Israel